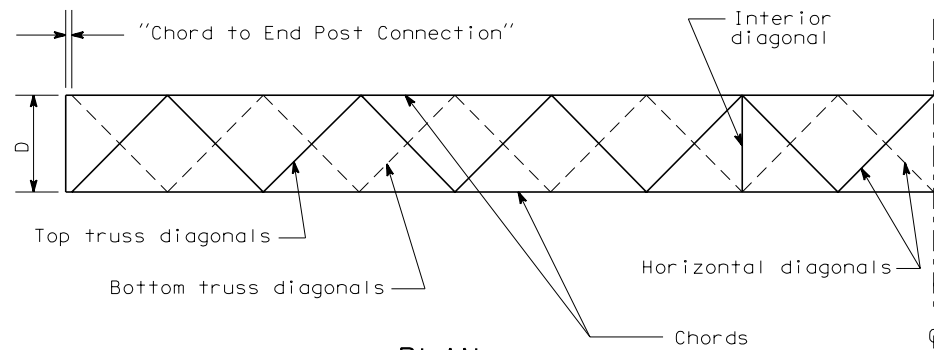
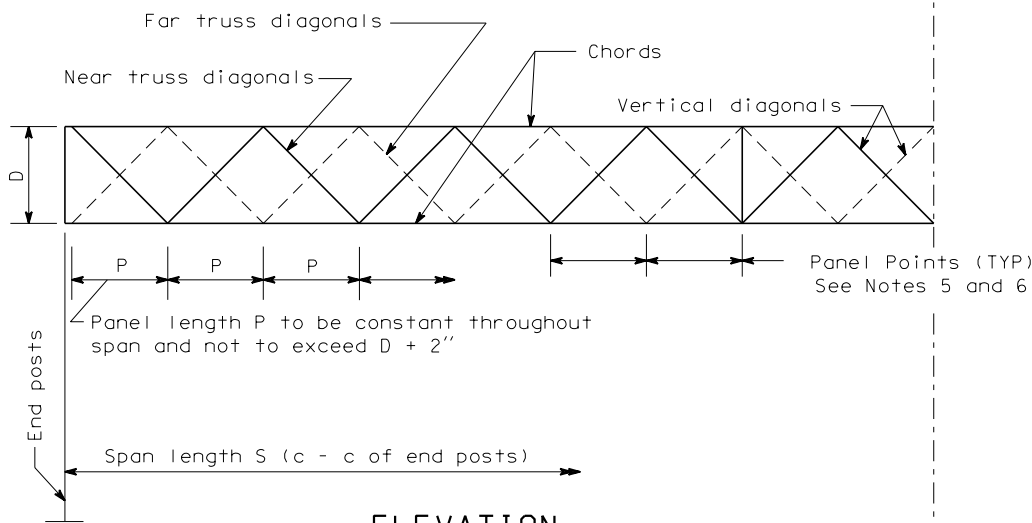


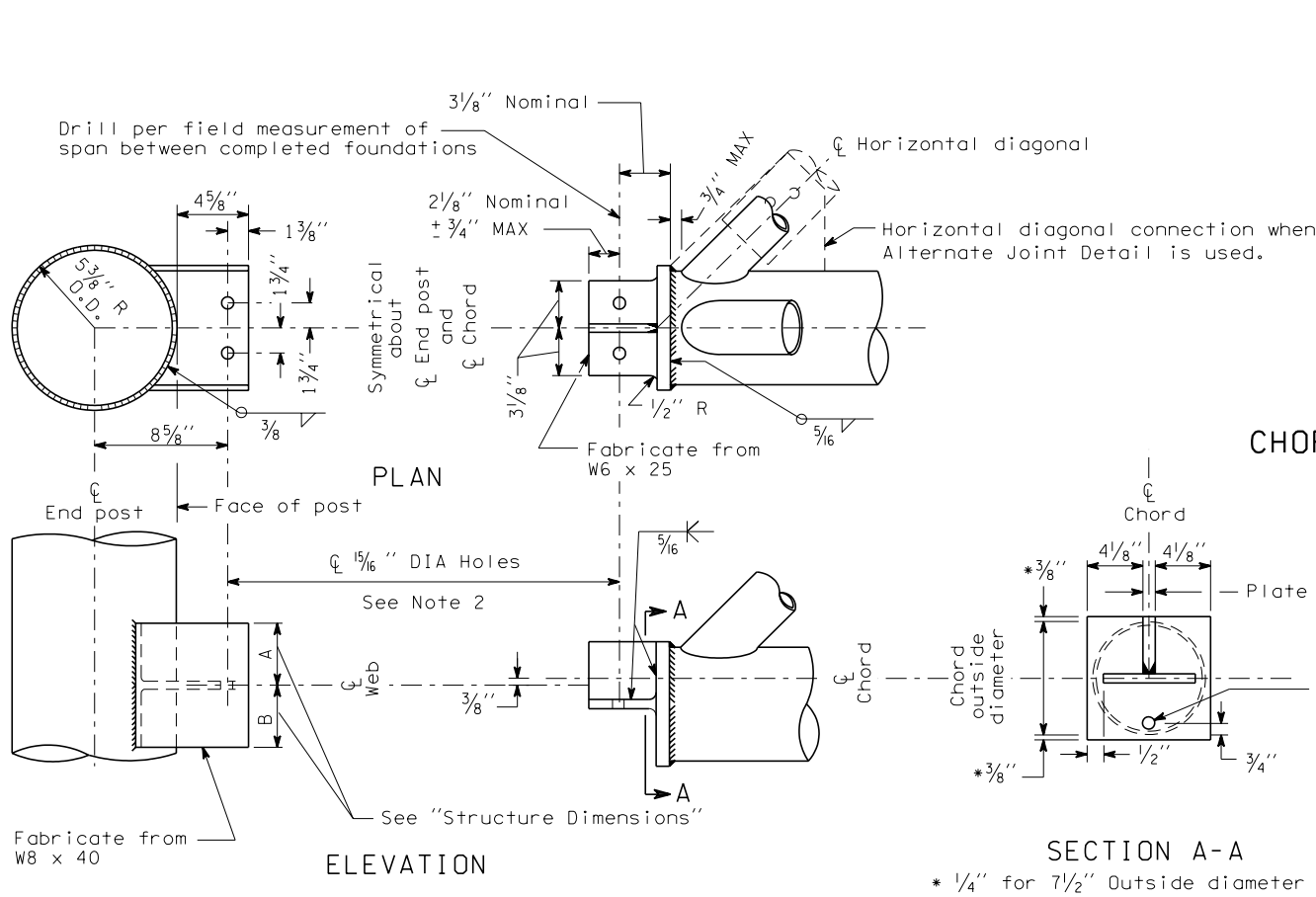
SIGN BRIDGE LAYOUT



PLAN



ELEVATION



ELEVATION

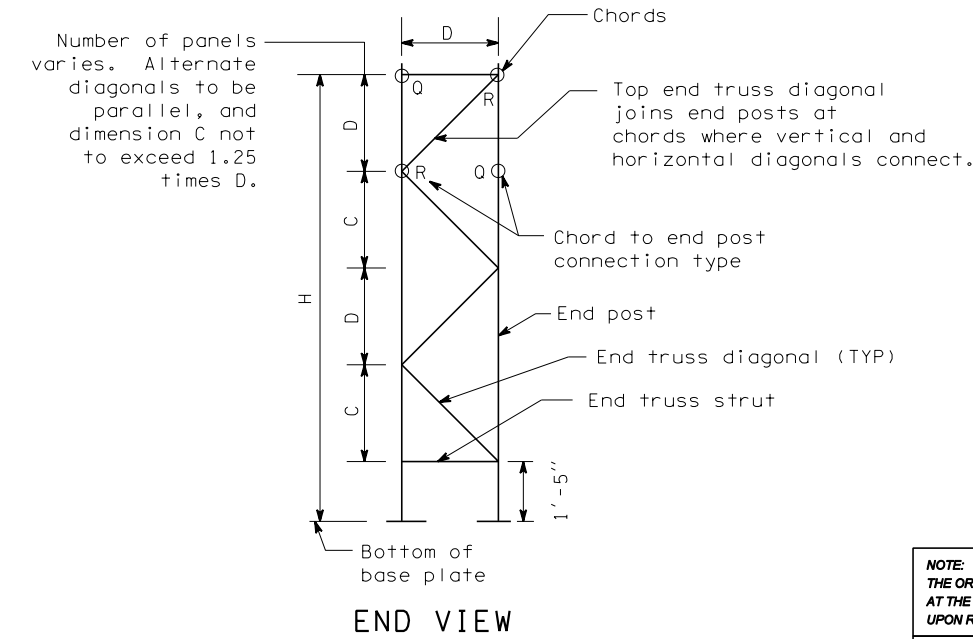
CHORD TO END POST CONNECTION TYPE R

Where diagonals connect

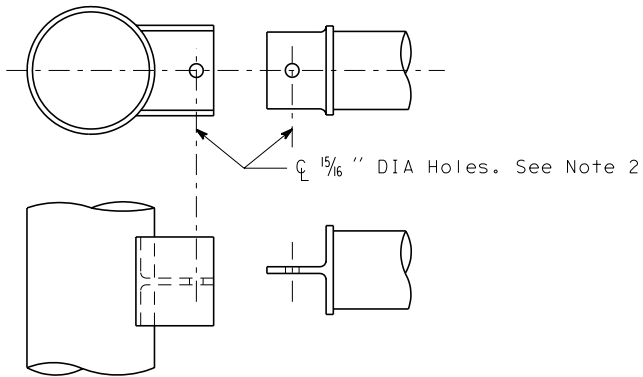
SPAN LENGTH S	DIMENSION D	TOP AND BOT CHORDS	DIAGONALS	END TRUSS POSTS	END TRUSS STRUTS AND DIAGONALS	TOTAL SIGN AREA (MAX)	A	B
60' or less	4'-0"	3" x .216"	1 1/4" x .140"	10" x .250"	2 1/2" x .203"	384 sq ft	2 3/8"	1 5/8"
61' to 90'	5'-0"	4" x .237"	2" x .154"	10" x .250"	2 1/2" x .203"	624 sq ft	2 7/8"	2 1/8"
91' to 120'	6'-0"	5" x .258"	2" x .154"	10" x .307"	3" x .216"	864 sq ft	3 3/8"	2 5/8"
121' to 150'	7'-0"	6" x .280"	2 1/2" x .203"	10" x .365"	3 1/2" x .226"	1104 sq ft	4 1/16"	3 1/4"

All members are pipe. Values shown are nominal pipe size and wall thickness.

STRUCTURE DIMENSIONS

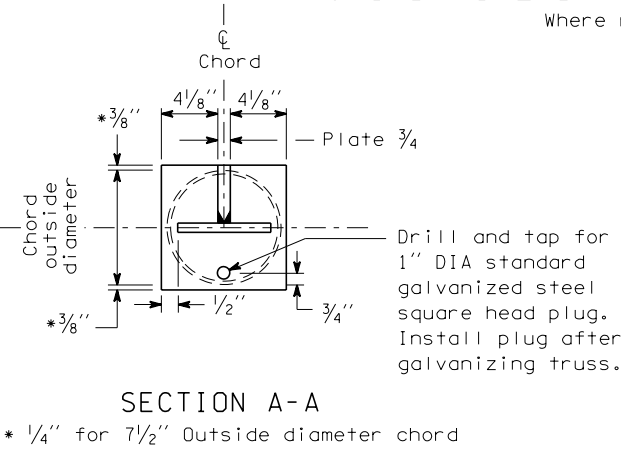


END VIEW



CHORD TO END POST CONNECTION TYPE Q

Where no diagonals connect
See Note 3



SECTION A-A

* 1/4" for 7 1/2" Outside diameter chord

MATERIAL SPECIFICATIONS

PIPE (Chords, Diagonals, Struts and Posts)	ASTM A 36 or ASTM A 53 Grade B, Type E or S, or A 500 Grade B
PLATES & SHAPES	ASTM A 36
BOLTS, NUTS, AND WASHERS	STD. SPEC. 9-06.5(3)
PIPE, PLATE & SHAPE GALVANIZING	AASHTO M 111
FASTENER GALVANIZING	AASHTO M 232

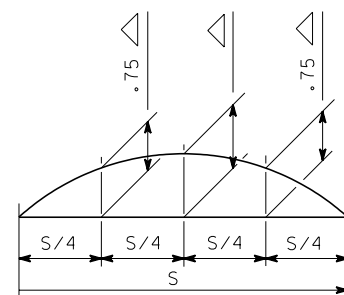
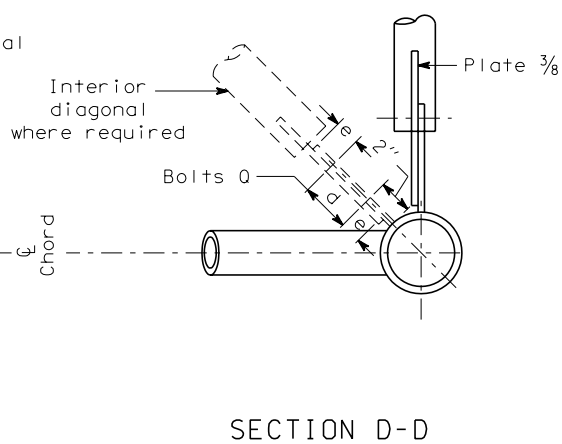
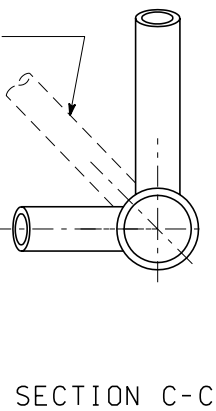
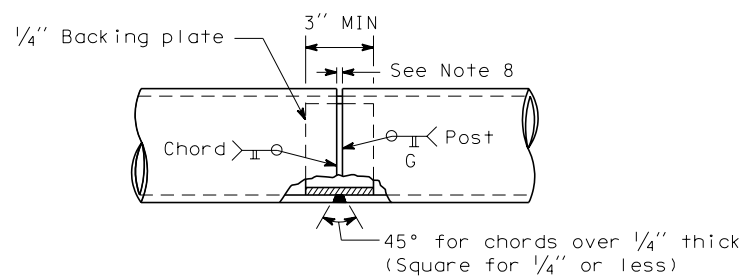
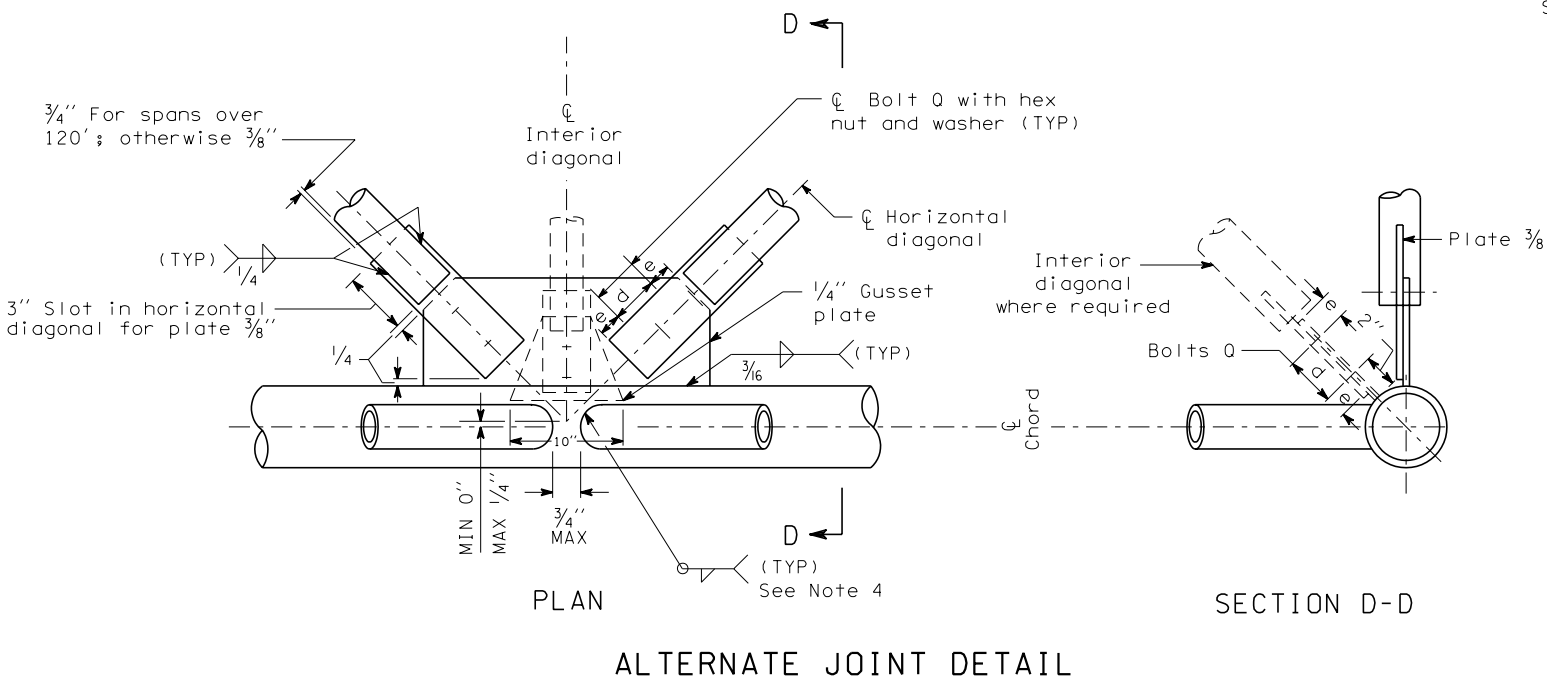
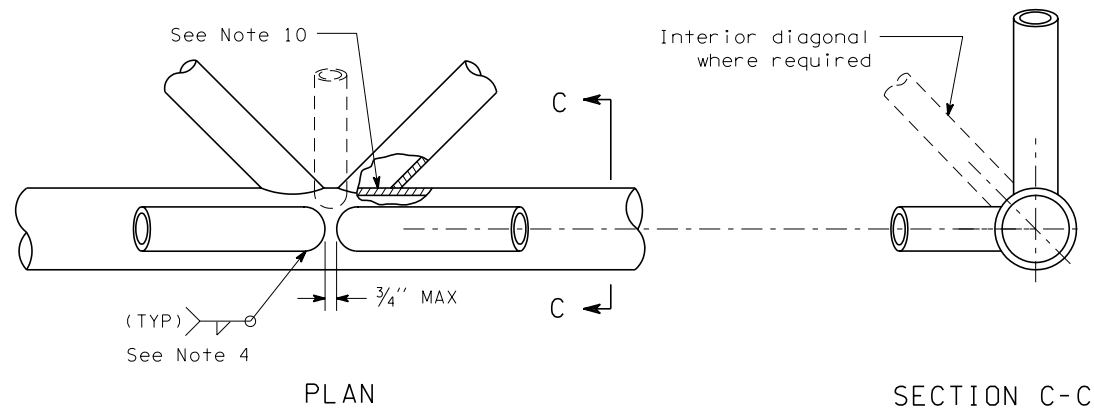


EXPIRES JUNE 29, 2004

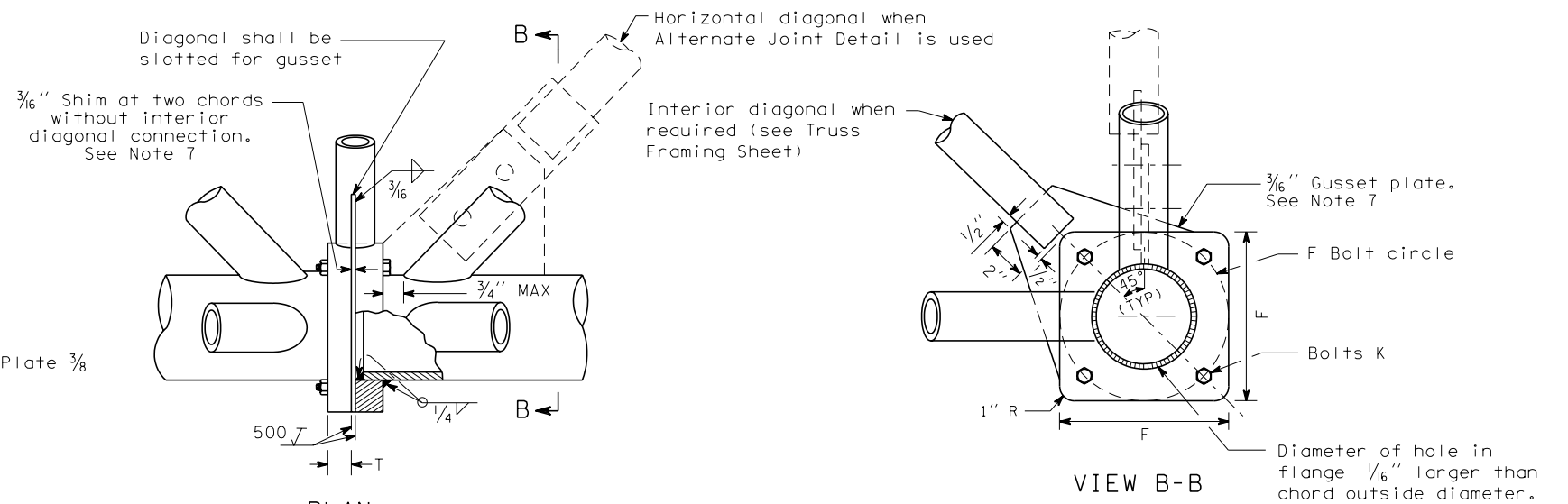
**SIGN BRIDGE
STANDARD PLAN G-2**

SHEET 1 OF 3 SHEETS

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Harold J. Peterfeso		06-04-02		DATE
STATE DESIGN ENGINEER		Washington State Department of Transportation		
03/2002	ADDED MATERIALS SPECIFICATIONS	MAS		
DATE	REVISION	BY		

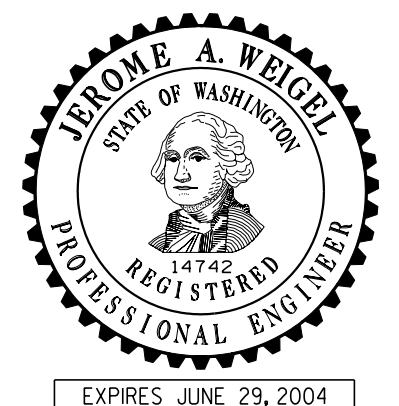


SPAN LENGTH	F	T	K
60' or less	6"	$\frac{3}{4}"$	$\frac{1}{2}"$
61' to 90'	7"	$\frac{7}{8}"$	$\frac{5}{8}"$
91' to 120'	$8\frac{1}{2}"$	1"	$\frac{3}{4}"$
121' to 150'	$9\frac{1}{2}"$	$1\frac{1}{4}"$	$\frac{7}{8}"$



SPAN LENGTH S (ft)	\triangle - (in)
40'	$\frac{1}{2}$
50'	$\frac{3}{4}$
60'	$\frac{7}{8}$
61'	$\frac{7}{8}$
70'	1
80'	$1\frac{1}{4}$
90'	$1\frac{1}{2}$
91'	$1\frac{3}{8}$
100'	$1\frac{5}{8}$
110'	2
120'	$2\frac{3}{8}$
121'	$2\frac{1}{8}$
130'	$2\frac{1}{2}$
140'	$2\frac{7}{8}$
150'	$3\frac{3}{8}$

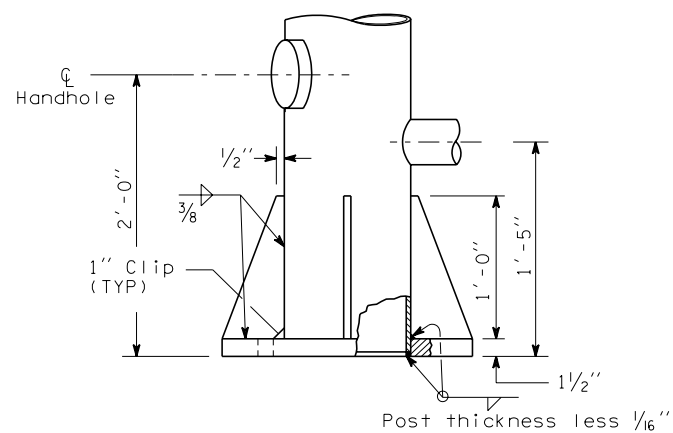
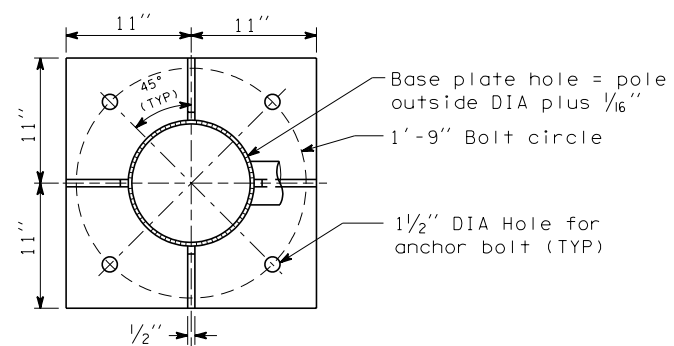
SPAN LENGTH	ALTERNATE JOINT DETAIL DATA		
	e	d	BOLT O DIAMETE
60' or less	1 1/4"	2 1/2"	3/4"
61' to 90'	1 1/2"	3"	7/8"
91' to 120'	1 1/2"	3"	7/8"
121' to 150'	1 3/4"	3 1/2"	1"



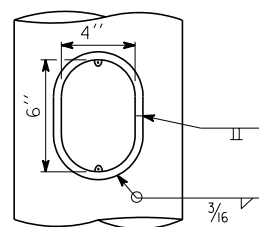
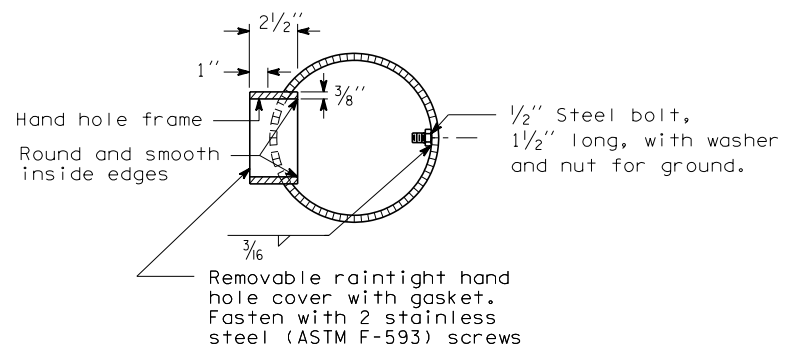
SIGN BRIDGE STANDARD PLAN G-2

SHEET 2 OF 3 SHEETS

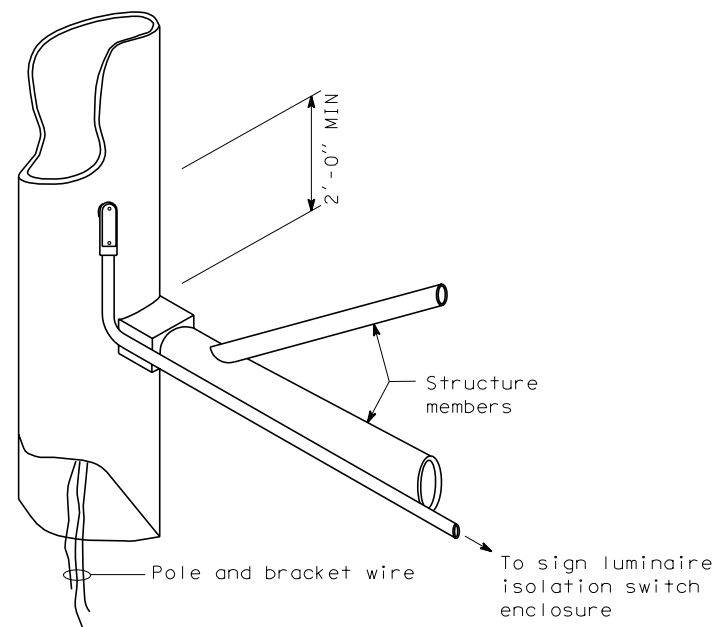
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03/2002	CORRECTED WELDING SYMBOL	MAS		
DATE	REVISION	BY		



END POST BASE WITH
HANDHOLE LOCATION



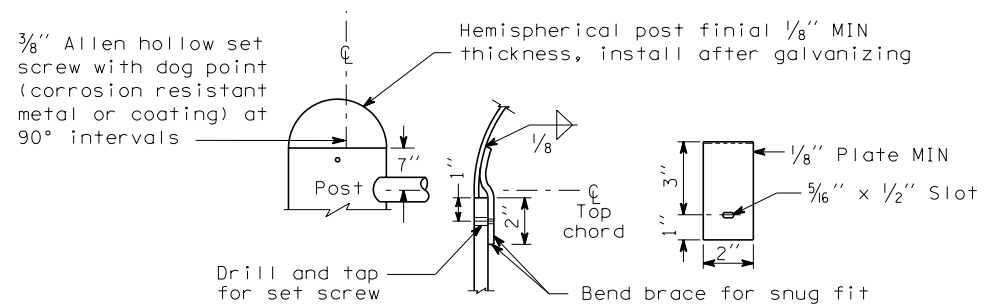
HANDHOLE DETAIL



CONDUIT PLACEMENT

- ## NOTES

1. Horizontal and vertical clearance requirements shall be as shown in Contract Plans.
2. Assemble with $\frac{7}{8}$ " Diameter bolts. Install bolts with head upward. Exclude bolt threading from grip.
3. Details not shown are same as Chord to End Post Connection Type R, omitting the $\frac{3}{4}$ " plate stiffener on the tee member.
4. Ends of diagonals shall be cut to fit neatly against chord or post. Fillet weld size to be diagonal tube or pipe thickness plus $\frac{1}{16}$ ".
5. Horizontal diagonals must join chords where vertical diagonals connect (panel points).
6. Interior diagonals shall be placed at panel points, 40' maximum spacing. Locate symmetrically about centerline of span if possible. An interior diagonal is not required at span ends.
7. Omit gussets or shims where interior diagonals are not required at chord field splice.
8. Dimension shall equal chord thickness or $\frac{1}{4}$ ", whichever is less.
9. No post splices permitted in lower third of height, nor closer than 3'-0" to bottom of chord. No chord shop splices permitted in middle third of span. Maximum of one splice in each end post.
10. Drill hole in chord at each diagonal and strut. Diameter shall be 1" for spans over 60'. For spans 60' or less, diameter shall be $\frac{3}{4}$ ".



FINIAL DETAIL



EXPIRES JUNE 29, 2004

SIGN BRIDGE STANDARD PLAN G-2

SHEET 3 OF 3 SHEETS

APPROVED FOR PUBLICATION

Harold J. Peterfeso 06-04-02

STATE DESIGN ENGINEER

DATE _____

 Washington State Department of Transportation

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03/2002	DELETED BALLAST BOX AND ATTACHMENT DETAILS	M
DATE	REVISION	B

03/2002	DELETED BALLAST BOX AND ATTACHMENT DETAILS	M
DATE	REVISION	B